

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20050160599"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 16:30
S2	7	("4574451" "4606778" "5063662" "5957658" "6146099" "6607355" "6637186").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/02 17:10
S3	325	29/890.01.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 15:15
S4	645	29/889.7.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 16:42
S5	326	29/889.72.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 10:09
S6	236	29/889.721.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 10:40
S7	1649	29/463.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 10:46
S8	64	29/463.ccls. and blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 15:10
S9	16	29/463.ccls. and airfoil	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 15:10
S10	775	416/232-233.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 15:38

## EAST Search History

S15	12	("2644665"   "3017159"   "3628226"   "4514144"   "5063662"   "5516593"   "5957658"   "6146099"   "6607355"   "6637186").PN. OR ("7070391").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 15:39
S16	12	("2644665"   "3017159"   "3628226"   "4514144"   "5063662"   "5516593"   "5957658"   "6146099"   "6607355"   "6637186").PN. OR ("7070391").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 15:43
S17	1	"7052238".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 15:51
S18	6	("4507051"   "5269058"   "5957658"   "6146099"   "6607355"   "6637186").PN. OR ("7052238").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 15:47
S19	1	"10765592"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 15:52
S20	6	("4501053"   "5536143"   "5957658"   "6146099"   "6607355"   "6637186").PN. OR ("6994525").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 15:51
S21	1	"10765347"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 15:52
S22	542	409/131.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 18:06
S23	723	409/132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 17:27
S24	362	409/199.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 09:30
S25	177	409/132.ccls. and (blade or airfoil or vane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/07 13:41

## EAST Search History

S26	43	409/132.ccls. and (blade or airfoil or vane) and (fan or turbine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/03 16:53
S27	8	("4703415"   "4723219"   "4739489"   "4833617"   "5493502"   "5823721"   "6099216").PN. OR ("6357977").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 17:15
S28	1	"6099252".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 17:15
S29	546	S23 not S25 not S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 17:27
S30	35	("1719621"   "20020107607"   "2210923"   "2638050"   "3915061"   "3975983"   "4152986"   "4521860"   "4621959"   "4830552"   "4850761"   "4907164"   "4945487"   "4949270"   "4972323"   "5112171"   "5164285"   "5223777"   "5246319"   "5354961"   "5378091"   "5435247"   "5460757"   "5475914"   "5526272"   "5595463"   "5602748"   "5609448"   "6077002"   "6407361"   "RE28747").PN. OR ("6840721").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 17:32
S31	8	("4594033"   "5316419"   "5641252"   "5735650"   "5816755"   "6007281"   "6270295").PN. OR ("6761516").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 17:40
S32	16	("1614558"   "2397086"   "2453315"   "3466972"   "3678802"   "4683787").PN. OR ("4778314").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 17:59
S33	723	409/132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 08:36
S34	519	409/131.ccls. not S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 08:36

## EAST Search History

S35	542	409/131.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 09:30
S36	302	409/199.ccls. not S33 not S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 09:30
S37	2	"4507051".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 10:37
S38	12	("4501053" "5536143" "5957658" "6146099" "6607355" "6637186").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 10:37
S39	645	29/889.7.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 10:40
S40	326	29/889.72.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 10:40
S41	208	29/889.721.ccls. not S39 not S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 10:40
S42	12	("4956037"   "5249357"   "5626462"   "5640767"   "5820337").PN. OR ("6214248").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 10:44
S43	29	29/463.ccls. and fan	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 10:47
S44	1	("1368045").URPN.	USPAT	OR	OFF	2006/08/04 11:16
S45	513	416/236R.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 11:36

## EAST Search History

S46	237	416/236A.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 12:38
S47	1314	416/223R.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 12:44
S48	462	416/223A.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 12:53
S49	15725	(groove or grooves) and (rib or ribs) and (blade or vane or airfoil) and (machin\$3 or mill\$3 or cut\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 13:03
S50	1649	29/463.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 13:00
S51	775	416/232-233.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 13:00
S52	91	S49 and (S33 or S35 or S36 or S39 or S40 or S41 or S50 or S45 or S46 or S47 or S48 or S51)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 13:04
S53	9010	((groove or grooves) same (machin\$3 or mill\$3 or cut\$4)) and (rib or ribs) and (blade or vane or airfoil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 13:07
S54	60	S53 and (S33 or S35 or S36 or S39 or S40 or S41 or S50 or S45 or S46 or S47 or S48 or S51)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 13:08
S55	22	("3736638"   "4089456"   "4882823"   "5063662"   "5072871"   "5083371"   "5099573"   "5156327").PN. OR ("5269058"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 13:05

## EAST Search History

S56	11002	((groove or grooves or cavity or cavities) same (machin\$3 or mill\$3 or cut\$4)) and (rib or ribs) and (blade or vane or airfoil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 10:45
S57	110	S56 and (S33 or S35 or S36 or S39 or S40 or S41 or S50 or S45 or S46 or S47 or S48 or S51)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 13:08
S58	3	"3678802".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 09:24
S59	167	((groove or grooves or cavity or cavities) same (machin\$3 or mill\$3 or cut\$4)) and (rib or ribs) and (blade or vane or airfoil) and serpentine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 12:55
S60	4	"3844679".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 11:14
S61	103	((groove or grooves or cavity or cavities) same (machin\$3 or mill\$3 or cut\$4)) and (rib or ribs) and (blade or vane or airfoil) and serpentine and hollow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 12:55
S62	3023	(blade or airfoil or vane) and hollow and rib and cavities and parallel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/07 13:42
S63	452	(blade or airfoil or vane) and hollow and rib and cavities and parallel and leading and trailing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/07 13:50
S64	90	(blade or airfoil or vane) and hollow and rib and cavities and parallel and leading and trailing and (simultaneous or simultaneously) same (machin\$3 or cut\$4 or mill\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/07 13:58
S65	0	hollow same balde same (serpentine or spiral) same (fan or turbine) same (machin\$3 or mill\$3 or cut\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/07 14:00

## EAST Search History

S66	112	hollow same blade same (serpentine or spiral) same (fan or turbine) same (machin\$3 or mill\$3 or cut\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/07 14:02
S67	47	hollow same blade same (serpentine or spiral) same (fan or turbine) same (machin\$3 or mill\$3 or cut\$4) same (groove or grooves or cavity or cavities or channel or channels)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/07 14:23
S68	27	("2888241"   "2888243"   "2906494"   "3220697"   "3370829"   "3446482"   "3515206"   "3658439"   "3736071").PN. OR ("3844679").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 14:14
S69	2	"3533712".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 14:14
S70	33	("3533712").URPN.	USPAT	OR	OFF	2006/08/07 14:15
S71	2373	hollow same blade same (serpentine or spiral)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/07 14:23
S72	4238	hollow same blade same (serpentine or spiral or helical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/07 14:23
S73	2	"5253824".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 16:13
S74	2	"5343619".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 16:14
S75	2	"5584660".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 16:15
S76	2	"5297937".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 16:16

## EAST Search History

S77	2	"5439354".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 16:16
S78	5	palazzini-christopher-mark.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 16:31
S79	27	weisse-michael-a.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 16:32
S80	3	senecal-douglas-a.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 16:32